

UK Patent Application (12) GB (19) 2 331 798 (13) A

(43) Date of Printing by UK Office 02.06.1999

(21) Application No 9903405.0

(22) Date of Filing 11.08.1997

(30) Priority Data

(31) 9617175

(32) 15.08.1996 (33) GB

(86) International Application Data

PCT/GB97/02140 En 11.08.1997

(87) International Publication Data

WO98/06972 En 19.02.1998

(51) INT CL⁶
F17C 13/00 13/08

(52) UK CL (Edition Q.)
F4H HG13
U1S S2048

(56) Documents Cited by ISA
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(58) Field of Search by ISA
INT CL⁶ F17C

(71) Applicant(s)

Aberdeen University
(Incorporated in the United Kingdom)
Auris Business Centre, 23 St Machar Drive,
ABERDEEN, AB2 1RY, United Kingdom

(74) Agent and/or Address for Service

Ablett & Stebbing
Caparo House, 101-103 Baker Street, LONDON,
W1M 1FD, United Kingdom

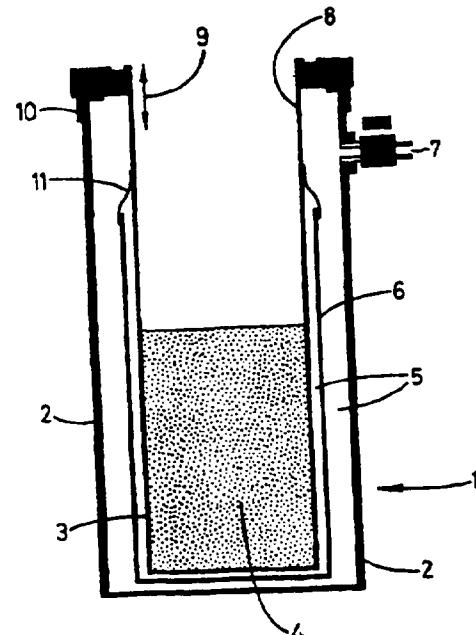
(72) Inventor(s)

Hugh Charles Seton
James MacDonald Strachan Hutchison
David Malcolm Bussell

(54) Abstract Title

Liquified gas cryostat

(57) A liquified gas cryostat having an inner wall (3) to contain the liquified gas (4) and an other wall (2) spaced therefrom is provided, in the space between the two walls, with multilayered insulation (5), formed by coating a woven fabric with a thin layer of gold or aluminium to create small, self-defined areas of metallization, and the space is evacuated. Also in the space is located at least one radiation shield (6) of material which exhibits high thermal conductivity and negligible electrical conductivity. The shield (6) extends beneath and is continuous around the inner wall (3) over the volume intended to be occupied by the liquified gas and may be vapour-cooled or cryo-cooled. Where more than one shield is used, both or all of them may be vapour-cooled or cryo-cooled. Alternatively, one or more of the shields may be vapour-cooled and the remainder cryo-cooled.



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